

Recombinant Human Fatty Acid Binding Protein (FABP)

Certificate of Analysis and Data Sheet

➤ Source: E.Coli	➤ Catalog No. PRO-340
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➤ **Background:**

Recombinant Fatty Acid Binding Protein is a newly introduced plasma marker of acute myocardial infarction (AMI). The plasma kinetics of FABP (15kD) closely resemble those of myoglobin in that elevated plasma concentrations are found within 2 hours after AMI and return to normal generally within 18 to 24 hours. But the concentration of FABP in the skeletal muscle is 20 times lower than in cardiac tissue (for myoglobin the same content for cardiac and skeletal tissue), that makes FABP to be more cardiac specific than myoglobin. This makes FABP a useful biochemical marker for the early assessment or exclusion of AMI. FABP also appears to be a useful plasma marker for the estimation of myocardial infarct size.

➤ **Physical Appearance:**

Sterile filtered liquid formulation.

➤ **Formulation:**

50mM phosphate borate buffer pH-8

➤ **Stability:**

Recombinant FABP although stable at 10C for 7 days, should be stored desiccated below -20 C for long term periods .

Please avoid freeze-thaw cycles.

➤ **Purity:**

Greater than 90.0% as determined by:

(a) Analysis by RP-HPLC.

(b) Anion-exchange FPLC.

(c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.

➤ **Dimers and aggregates:**

Less than 1% as determined by silver-stained SDS-PAGE gel analysis.

➤ **Endotoxin:**

Less than 0.1 ng/μg (IEU/μg) of Recombinant FABP.

➤ **Applications:**

Immunoassays and western blot.

➔ **Usage:**

This material is offered for research, laboratory or further evaluation purposes.